



Workgroup 12: *Adaptation and Mitigation*

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What Do We Cover?

- Adaptation
- Adaptation and Mitigation
- Mitigation?

What Do We Cover?

- We had been thinking about focusing on:
 - Summarizing adaptation activities
 - Addressing key challenges to adaptation such as uncertainty
 - Addressing mitigation and adaptation
 - Case studies to illustrate issues
 - Extreme Events
 - Multiple Impacts
 - Mitigation and Adaptation
 - Research and Development needs
- Feedback from Yesterday
 - Include Mitigation
 - Broaden discussion to include context of scenarios of future climate change e.g., dealing w/a 2oC world vs. a 4oC+ world

An Approach: New Outline

- Introduction
 - Context: Importance of Mitigation and Adaptation
 - Section needs to address challenges in light of wide range of potential changes in climate
 - Note challenges need for both should we “only” have ~2oC of warming vs. challenges should we have 4oC+ warming
- [Mitigation
 - Examples of what is happening – To Be Developed
 - Measures of total US GHG emissions relative to 1990 and 2000]
- Adaptation
 - Define it
 - Discuss what may needed
 - Challenges at different rates/magnitudes of climate change
 - More CC increases need for transformative adaptation

Adaptation and Mitigation Outline (con't)

- Adaptation (con't)
 - Review what has been happening
 - Govt: National, state, and local
 - NGO
 - Private sector
 - This will not be comprehensive (compendium)
 - Could have a case study to illustrate innovative adaptation
 - Assess :
 - Lessons learned from what is being done (including internationally)
 - How to get started
 - How to continue and as necessary accelerate
 - Progress we are making as a nation addressing adaptation

Adaptation and Mitigation Outline (con't)

- Mitigation and Adaptation
 - Identify issues
 - Examples of working together and working at cross purposes
 - Case study(ies)
- Research and Development (e.g., preliminary)
 - Evaluate barriers to mitigation and adaptation
 - What promotes success?
 - Need for metrics (particularly on adaptation)
 - Enhance collaborative science
 - Others...

Coordination

- Will continue to work with sectors and regions on
 - Identifying adaptation and mitigation activities
 - Analyzing mitigation and adaptation
- Will use outputs from workshops, including
 - Land Water
 - Infrastructure
 - Energy Supply and Demand
 - Ecosystems
 - Others...

Adaptation and Mitigation Team

- Rosina Bierbaum (chair)
- Arthur Lee (co-chair)
- Joel Smith (co-chair)
- Sheila O'Brien (NCA Staff)
- Work Group Members:
 - Dan Abbasi
 - Maria Blair
 - Jim Buizer
 - Lynne Carter
 - Terry Chapin
 - Camille Coley
 - Jan Dell
 - Paul Fleming
- More Work Group Members
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 - Rattan Lal
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 - Dick Schmalensee
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 - Kathy Hibbard
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 - Laura Verduzco
 - Emily Wasley
 - Tom Wilbanks